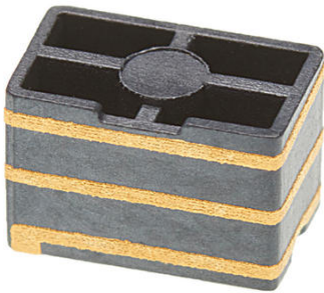




Part Number : [1462350001](#)
Product Description : Helix SMT GPS Antenna
Series Number : 146235
Status : Active
Product Category : Antennas



Documents and Resources

Drawings

[1462350001_sd.pdf](#)

[1462350001-PK.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[1462350001-AS.pdf](#)

[1462350001-PS.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- EU RoHS

- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Antennas
Series	146235
Description	Helix SMT GPS Antenna
Component Type	Surface Mount Device Antenna
Function	Signal
Product Name	Helix SMT GPS Antenna
Protocol	BeiDou, Galileo, GLONASS, GPS
Type	GNSS Antenna, Internal
UPC	889056690010

Electrical

Band#1 F_End (MHz)	1566
Band#1 F_Start (MHz)	1556
Band#2 F_End (MHz)	1580
Band#2 F_Start (MHz)	1571
Band#3 F_End (MHz)	1607
Band#3 F_Start (MHz)	1597
Electrical Connectivity	SMD
Peak Gain (dBi)	0.7 @ 1561 MHz, 1.1 @ 1575 MHz, 1.1 @ 1602 MHz

Return Loss - S11 (dB)	< -8
Total Efficiency	>50% @ 1561 MHz, >50% @ 1602 MHz, >55% @ 1575 MHz

Physical

Cable Length	N/A
Length	5.00mm
Mounting Style	Surface Mount
Net Weight	0.058/g
Packaging Type	Embossed Tape on Reel
Polarization	Elliptic
Radiation Pattern	Omnidirectional
Thickness	4.00mm
Width	3.00mm